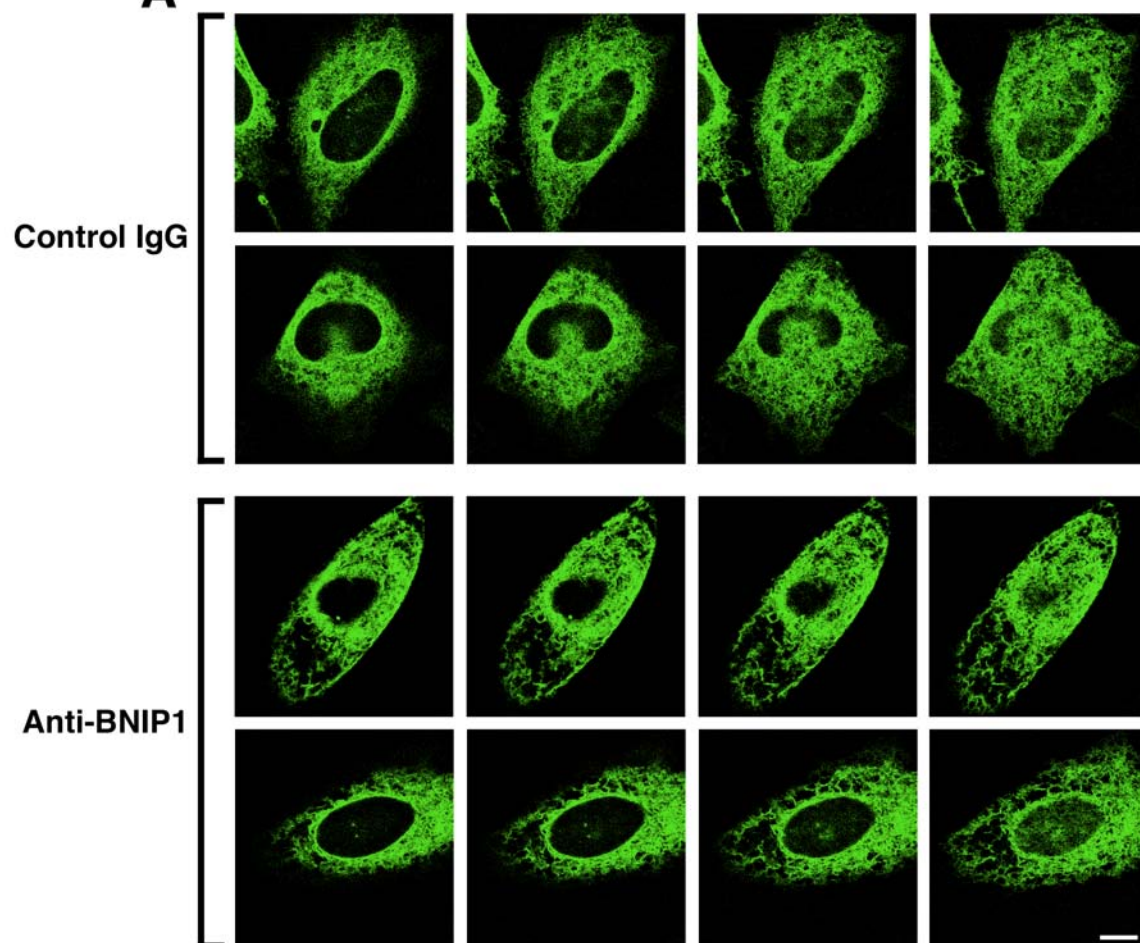
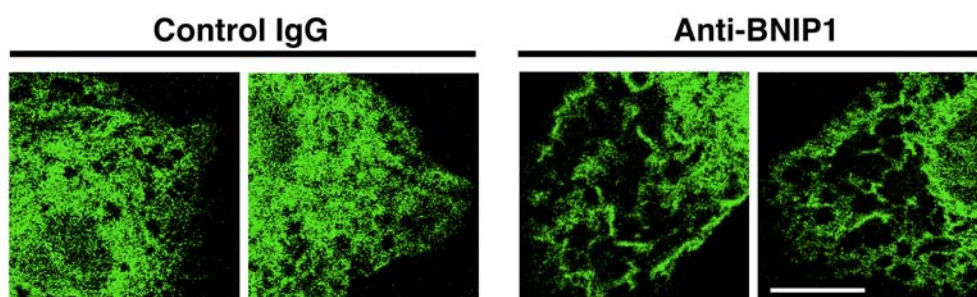


**Figure S5**  
**A**



**B**



**Supplementary Figure 5** Microinjection of an anti-BNIP1 antibody causes loss of the reticular structure. A control IgG (~13 mg/ml) or an anti-BNIP1 antibody (~10 mg/ml) was microinjected into HeLa cells stably expressing GFP-b<sub>5</sub>, and the ER morphology of living cells was investigated by confocal microscopy. Images of serial sections (0.5-μm steps) are shown. Bar, 10 μm. **(B)** High magnification images. Bar, 10 μm.